

**CITY OF FORT SMITH SUPPLEMENTAL SPECIFICATION
CONSTRUCTION EROSION CONTROL**

SECTION 141 of the Standard Specifications for Public Works Construction, February 2008 Edition, is hereby amended as follows:

141.02 MATERIALS.

Item D. POSTS is deleted and replaced by the following:

- D. POSTS. Posts shall be constructed of wood or steel. Posts shall be a minimum of 48" long and at least 18" longer than the height of the silt fence.
 - (1) WOOD POSTS. Wood posts shall be straight and have a minimum nominal cross section of 2-inches by 2-inches.
 - (2) STEEL POSTS. Steel posts shall be standard "T" or "U" sections of 1.30 lb/ft minimum.

The following is added to this subsection:

- J. GRAVEL FILTER BAGS. Bags shall be constructed of a pervious, non-biodegradable material. When filled with gravel, bags shall be approximately 24" long by 12" wide by 6" high. Gravel shall be ½" to 1" diameter coarse aggregate.
- K. ABOVE GRADE CONCRETE WASHOUT AREA. Above grade concrete washout areas shall consist of baled straw and a plastic liner secured with posts.
 - (1) LINER. As a minimum, the liner shall be plastic, with a 10 mil thickness.
 - (2) BALED STRAW. Baled straw shall comply with Section 142.02 A.
 - (3) POSTS. Posts shall comply with Section 142.02 D.
- L. ROCK DITCH CHECK. Stone for Rock Ditch Checks shall be of hard, durable, natural rock and shall range in size from 3-inches to 6-inches with the stone gradation being equally distributed within the required size range.

141.03 CONSTRUCTION REQUIREMENTS.

The following is added to this subsection:

- I. INLET SEDIMENT FILTER. Inlet sediment filters shall be constructed around sump inlets and upstream of on-grade curb inlets using gravel filter bags to

impede silt from entering the inlets. Inlet sediment filters shall be constructed in accordance with the details and at the locations shown on the plans or as directed by the Engineer.

- J. **ABOVE GRADE CONCRETE WASHOUT AREA.** Above grade concrete washout areas shall be installed prior to any concrete placement on site. Signs shall be placed at the construction entrance, at the washout area, and elsewhere as necessary to clearly indicate the location of the concrete washout area to operators of concrete trucks. Concrete washout facilities shall be maintained to provide adequate holding capacity with a minimum freeboard of four inches. Facilities must be cleaned, or new facilities must be constructed and ready for use once washout facilities have reached 75% capacity. At the end of construction, the concrete washout area and all remaining waste concrete shall be removed from the site and disposed of at an accepted waste site. When the washout area is removed, the disturbed area shall be topsoiled and sodded or otherwise stabilized in a manner accepted by the Engineer. Above grade concrete washout areas shall be constructed in accordance with the details and at the locations shown on the plans or as directed by the Engineer.
- K. **ROCK DITCH CHECK.** Rock Ditch Checks shall be placed in accordance with the details and at locations shown on the plans or as directed by the Engineer. The upstream and downstream sideslopes of the ditch check shall be no steeper than 2:1. A rock overflow shall be constructed on the downstream side of the ditch check. The rock overflow shall be a minimum of 6 inches thick and a minimum of 2 feet in length. The amount of rock necessary to construct the Rock Ditch Check, including the rock overflow, at each installation shall vary depending upon on-site conditions.

141.04 MEASUREMENT AND PAYMENT.

Delete the first sentence and replace it with the following:

Measurement and payment for temporary erosion control measures shall be on a lump sum basis except when the following items are included in the bid form.

Item C. is deleted and replaced with the following:

- C. Silt fence will be measured by the linear foot complete in place and will be paid for at the contract unit price bid for Silt Fence.

The following is added to this subsection:

- H. Inlet sediment filters will be measured by the bag, in place, and will be paid for at the contract unit price bid for Gravel Filter Bags.
- I. Above grade concrete washout areas will be measured by the number of units constructed. Work completed will be paid at the contract unit price bid per each for, "Above Grade Concrete Washout Areas," which price shall be full compensation for furnishing, transporting, and installing straw bales, plastic liner, and posts; maintenance and removal of washout area; restoration of washout area to original condition, including topsoil and sodding; and for all labor, tools, equipment, and incidentals necessary to complete the work.
- J. Rock ditch checks will be measured by the number of installations constructed. Work completed will be paid at the contract unit price bid per each for, "Rock Ditch Checks," which price shall be full compensation for furnishing, transporting, and installing rock ditch checks and rock overflows; maintenance and removal of rock ditch checks and rock overflows; restoration of channel to original condition; and for all labor, tools, equipment, and incidentals necessary to complete the work.